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APPLICATION NO	Э.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/942,663		08/31/2001	Shigeo Kittaka	N36-135850M/TH	7814	
30743	7590	03/10/2006		EXAMINER		
	•	RTIS & CHRISTOF	STOCK JR,	STOCK JR, GORDON J		
SUITE 34		LLS ROAD		ART UNIT	ART UNIT PAPER NUMBER	
RESTON,	RESTON, VA 20190			2877	<u> </u>	
				DATE MAILED: 03/10/200	6	

Please find below and/or attached an Office communication concerning this application or proceeding.

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Advisory Action

Application No.	Applicant(s)
09/942,663	KITTAKA ET AL.
Examiner	Art Unit
Gordon J. Stock	2877

Before the Filing of an Appeal Brief	Examiner	Art Unit	
	Gordon J. Stock	2877	
The MAILING DATE of this communication appe	ars on the cover sheet with the c	orrespondence add	ress
THE REPLY FILED 17 February 2006 FAILS TO PLACE THIS	APPLICATION IN CONDITION FO	R ALLOWANCE.	
 The reply was filed after a final rejection, but prior to or on this application, applicant must timely file one of the follow places the application in condition for allowance; (2) a No a Request for Continued Examination (RCE) in compliance time periods: The period for reply expires 3 months from the mailing date b) 	wing replies: (1) an amendment, aff etice of Appeal (with appeal fee) in one ce with 37 CFR 1.114. The reply more of the final rejection.	idavit, or other evider compliance with 37 C ust be filed within one	nce, which FR 41.31; or (3) of the following
no event, however, will the statutory period for reply expire is Examiner Note: If box 1 is checked, check either box (a) or the TWO MONTHS OF THE FINAL REJECTION. See MPEP 7.	ater than SIX MONTHS from the mailing (b). ONLY CHECK BOX (b) WHEN THE	g date of the final rejecti	on.
Extensions of time may be obtained under 37 CFR 1.136(a). The date have been filed is the date for purposes of determining the period of ex under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b) NOTICE OF APPEAL	on which the petition under 37 CFR 1.1 tension and the corresponding amount shortened statutory period for reply orig r than three months after the mailing da	of the fee. The appropr inally set in the final Offi te of the final rejection, of	iate extension fee ce action; or (2) as even if timely filed,
 The Notice of Appeal was filed on A brief in comp filing the Notice of Appeal (37 CFR 41.37(a)), or any exte a Notice of Appeal has been filed, any reply must be filed 	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of th	
AMENDMENTS 3. The proposed amendment(s) filed after a final rejection, (a) They raise new issues that would require further co (b) They raise the issue of new matter (see NOTE belo (c) They are not deemed to place the application in bet	nsideration and/or search (see NOw);	TE below);	
appeal; and/or (d) They present additional claims without canceling a NOTE: (See 37 CFR 1.116 and 41.33(a)).		ected claims.	
4. The amendments are not in compliance with 37 CFR 1.1.		mpliant Amendment	(PTOL-324).
 Applicant's reply has overcome the following rejection(s) Newly proposed or amended claim(s) would be all non-allowable claim(s). 		timely filed amendme	ent canceling the
 7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is protected. The status of the claim(s) is (or will be) as follows: Claim(s) allowed: 14-27. Claim(s) objected to: Claim(s) rejected: 1.3-13.28. Claim(s) withdrawn from consideration: 		ll be entered and an e	explanation of
AFFIDAVIT OR OTHER EVIDENCE			
 The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good answas not earlier presented. See 37 CFR 1.116(e). 			
9. The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessar	overcome all rejections under appe	al and/or appellant fai	ils to provide a
10. ☐ The affidavit or other evidence is entered. An explanatio REQUEST FOR RECONSIDERATION/OTHER	n of the status of the claims after e	ntry is below or attach	ned.
11. The request for reconsideration has been considered but	at does NOT place the application in	n condition for allowa	nce because:
 12. ☐ Note the attached Information Disclosure Statement(s). 13. ☐ Other: See Continuation Sheet. 	(PTO/SB/08 or PTO-1449) Paper N	lo(s)	
	/ Gre	אביייליון יאין ציאישציי	

Continuation of 13. Other: Applicant's arguments filed February 17, 2006 have been fully considered but they are not persuasive. Firstly, the arguments on page 10 refer solely to the primary references Burt et al. (6,052,213), Inoue et al. (5,033,810), and Normandin et al. (5,111,466) without being in view of Todori et al. (6,002,522). In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See In re Keller, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); In re Merck & Co., 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986). In addition, on page 10 line 3-10, the argument that the particular period, a, to wavelength and average refractive index is satisfied then the photonic crystal effect is fulfilled demonstrates that Burt does fulfill the condition for it is a photonic crystal (col. 6, lines 17-35); that Inoue in view of Todori fulfills the condition for it would be obvious to one of ordinary skill in the art at the time the invention was made that Inoue's structure is one dimensional photonic crystal, for the uniaxial periodic multilayer structure modulates input wavelength light and produces second order harmonic effects indicative of having a photonic band structure (refer to action 20050110: page 4); that Normandin in view of Todori fulfills the condition for it is a photonic crystal for it would be obvious to one of ordinary skill in the art at the time the invention was made that Inoue's structure is one dimensional photonic crystal, for the uniaxial periodic multilayer structure modulates input wavelength light and produces nonlinear harmonic effects indicative of having a photonic band (refer to action 20050110: pages 6-7). As for Burt not working with an average refractive index for Burt uses a material with a variable refractive index in the photonic crystal in order for Burt's grating to function as a tuneable filter, Examiner disagrees. Burt states that a photonic crystal does have periodic variation in refractive index because of the differing layers (col. 1, lines 45-55), and as for not using an average refractive index Examiner disagrees; for Burt states that two different refractive indices are used (col. 2, lines 48-50); wherein, may have a refractive index which is variable' (col. 2, lines 60-61) does not preclude 'having a constant refractive index.'

As for Normandin not working with an 'average' refractive index, Examiner disagrees, for Fig. 3 shows predominately two refractive indices with 760 angstroms predominately at the average of the two.

As for Inoue not disclosing an average refractive index as claimed, Examiner disagrees. Inoue's Figure 5 demonstrates a constant refractive index of the layers for no voltage is applied as in Figs. 4a and 4b. Therefore, the layers making up the period would have two constant refractive indices.